



Service Repair Manual

Models

330D MH EXCAVATOR

Product: EXCAVATOR

Model: 330D MH EXCAVATOR C5K

Configuration: 330D Material Handler (HCR & FCR) C5K00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly 330D Excavator Machine Systems

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i02770233

Final Drive - Disassemble

SMCS - 4050-015

S/N - C5K1-222

S/N - LEM1-187

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	138-7573	Link Bracket	2
C	1P-1863	Retaining Ring Pliers	1
D	194-3878	Spanner Socket	1
E	138-7574	Link Bracket	2
F	5F-7366	Forcing Screw	1
	1P-5546	Crossblock	1
	1U-9889	Crossblock	1
	1P-0520	Driver Group	1
	6V-7888	Puller Leg	2
	1H-3112	Puller Assembly	1
	1P-5551	Adjustable Screw Assembly	1

G	1U-7600	Slide Hammer Puller Gp	1
	8T-0266	Bolt	1

Start By:

- a. Remove the final drive and the travel motor. Refer to Disassembly and Assembly, "Final Drive and Travel Motor - Remove".

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat® products.

Dispose of all fluids according to local regulations and mandates.

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will prevent dirt from entering the internal mechanism.

Note: Some of the images that are in this procedure do not show the sprocket assembly that is attached to the final drive housing. If necessary, the weights that are given include the weight of the sprocket assembly.

1. Put an alignment mark across the sections of the final drive for assembly purposes. The parts must be reinstalled to the original locations.



Illustration 1

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2. Fasten the final drive to Tooling (A). The weight of the final drive assembly is approximately 544 kg (1200 lb).
3. Remove bolts (1) that hold the cover in position.

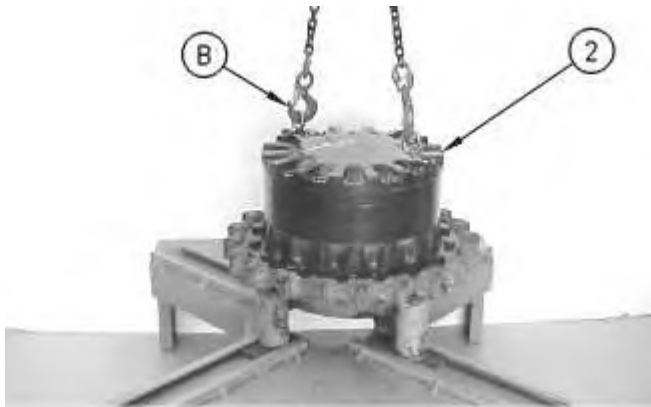


Illustration 2

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4. Remove the setscrews from the cover. Fasten Tooling (B) and a suitable lifting device to cover (2). Remove the cover. The weight of the cover is approximately 32 kg (70 lb).

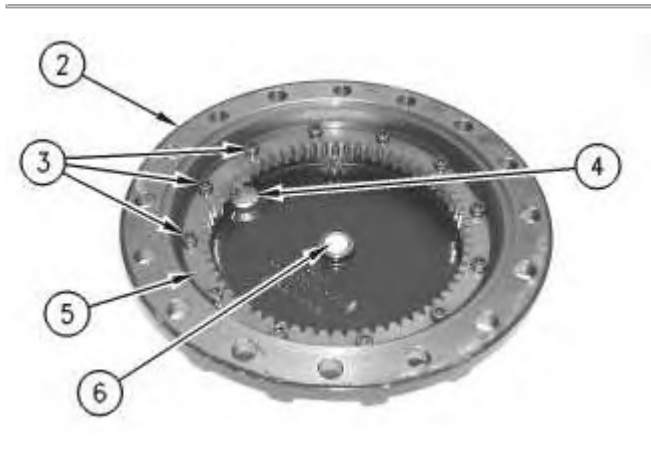
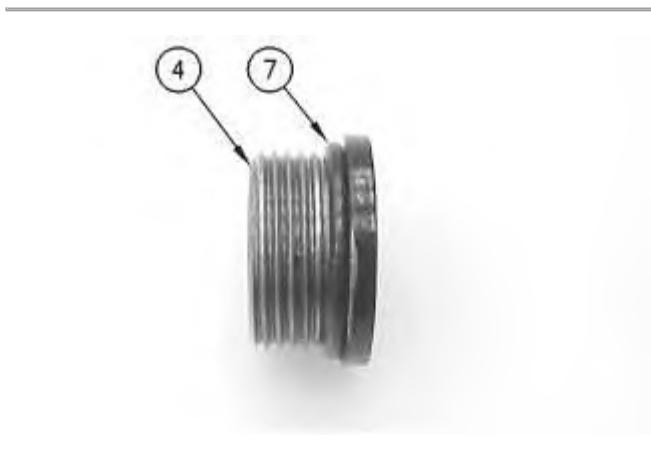


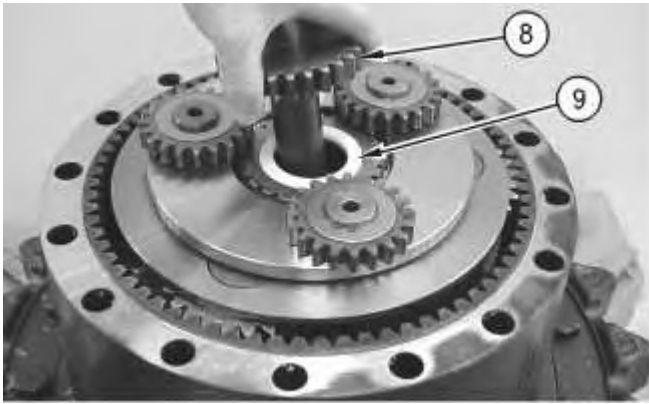
Illustration 3

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5. Remove bolts (3). Remove gear (5). Check plate (6). Replace plate (6) if wear is shown. Remove plugs (4) from cover (2).



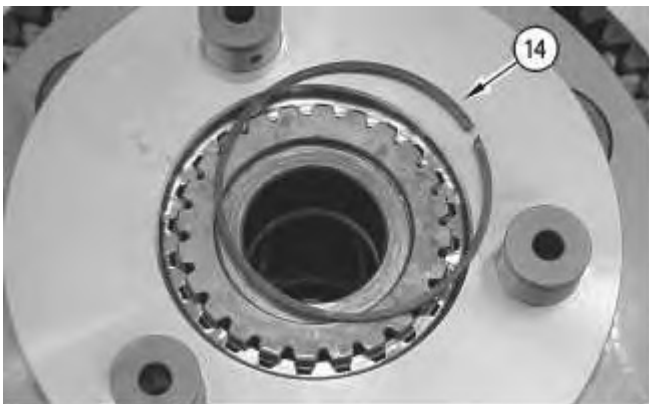
6. Remove O-ring seal (7) from plugs (4).



7. Remove gear (8). Remove spacer (9).



8. Use Tooling (C) to remove retaining ring (10). Remove washer (11). Remove gear (12). Remove bearing assembly (13). Remove second washer (11).
9. Repeat Step 8 for the remaining two gear assemblies.



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